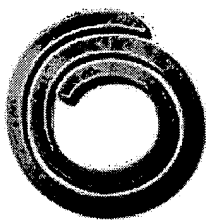


L Number	Hits	Search Text	DB	Time stamp
1	675	shim with (taper or tapered or tapering)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 08:31
2	296	(shim with (taper or tapered or tapering)) and (round or circular or disc or disk)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 08:32
3	249	(shim with (taper or tapered or tapering)) and (round or circular)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 08:35
4 ✓	56	(shim with (taper or tapered or tapering)) and ((round or circular) with shim)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 09:27
5 ✓	13	("1025087" "2784503" "3195246" "3218734" "3328901" "3964180" "4167071" "4407079" "4704809" "4875683" "5505012" "5906059" "6182379").PN.	USPAT	2003/09/22 08:38
6 ✓	6	("0774042" "4037680" "4195862" "4684150" "4872699" "5098117").PN.	USPAT	2003/09/22 08:52
7 ✓	4	("2714269" "3021638" "3030730" "3751327").PN.	USPAT	2003/09/22 09:05
8 ✓	6	4069890.URPN.	USPAT	2003/09/22 09:06
9 ✓	6	4069890.URPN.	USPAT	2003/09/22 09:10
10 ✓	8	("1267021" "1802940" "1822916" "2121961" "3040636" "3212415" "3279133" "3552698").PN.	USPAT	2003/09/22 09:13
11 ✓	9	3902818.URPN.	USPAT	2003/09/22 09:14
12	3428	((round or circular) near5 wedge)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 09:27
13	59	((round or circular) near5 wedge)) and shim	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 09:27
14 ✓	57	((round or circular) near5 wedge)) and shim) not ((shim with (taper or tapered or tapering)) and ((round or circular) with shim))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 10:23
16	300	280/86.753.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 10:24
15 ✓	196	277/531.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 10:29
17 ✓	196	277/531.ccls. not (((round or circular) near5 wedge)) and shim) not ((shim with (taper or tapered or tapering)) and ((round or circular) with shim)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 10:29
18 ✓	300	280/86.753.ccls. not 277/531.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 10:30

L Number	Hits	Search Text	DB	Time stamp
1	3	("2757407").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 12:34
2	1	("2865133").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 12:34
3	16	"3021638"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 12:41
4	481	248/188.2.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 12:46
5	20	("0062332" "0464921" "1624243" "1915320" "2166444" "2481739" "2524961" "2654420" "3030730" "3138963" "3171632" "3185442" "3452663" "3595513" "3993275" "4135335" "4304318" "4688761" "4830320" "4870440") .PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/09/22 13:06
6	10	5249767.URPN.	USPAT	2003/09/22 13:07



SPIROL Precision Engineered Products

Corporate Headquarters: 30 Rock Avenue, Dan Ison, Connecticut 06239-1434 U.S.A.

Tel: 1-860-774-8571 • Fax: 1-860-774-2048 • E-mail: information@spirol.com

Product Keyword Search

COMPANY INFORMATION

- ▶ [Why you should do business with SPIROL](#)
- ▶ [Mission Statement](#)
- ▶ [Core Values](#)
- ▶ [Quality Certifications](#)
- ▶ [Corporate Profile](#)
- ▶ [Company History](#)
- ▶ [Locations](#)
- ▶ [Job Opportunities](#)

WEB SITE NAVIGATION

- ▶ [Site Map](#)
- ▶ [Contact SPIROL](#)
- ▶ [E-mail Spirol President](#)

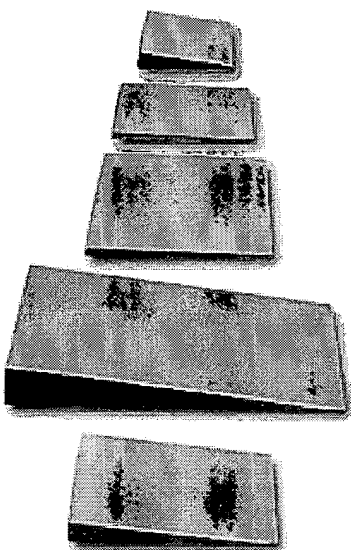
PRODUCT INFORMATION

- ▶ [Product Search](#)
- ▶ [What's New](#)
- ▶ [Coiled Spring Pins](#)
- ▶ [Slotted Spring Pins](#)
- ▶ [Solid Pins](#)
- ▶ [Tubular Products](#)
- ▶ [Compression Limiters](#)
- ▶ [Inserts For Plastic](#)
- ▶ [Shims](#)
- ▶ [Washers](#)
- ▶ [Milled Brass Nuts](#)
- ▶ [Pin Inserters](#)
- ▶ [Insert Drivers](#)
- ▶ [Feed Systems](#)

APPLICATION SERVICES

- ▶ [Components](#)

Tapered and Filler Shims



Aircraft Precision tapered shims, solid, and laminated filler shims

Standards and Specials

- Sizes range from .008" - .500" thick in solid and laminated materials
- In-house chemical conversion and painting reduces lead time and costs
- Automated part marking for improved speed and accuracy
- CNC milling and machining capabilities for odd configuration parts
- Video CMM inspection for accurate and traceable inspection results
- Quick turnaround on Boeing, Northrop and other standard part numbers

[Go Back to Shim Intro Page](#)

For General Information:

CONTACT SPIROL

[Home](#) | [Site Map](#) | [Why you should do business with SPIROL](#) | [Company Profile](#) | [News](#) | [Application Services](#) | [Product Information](#) | [Employment Opportunities](#) | [E-mail President](#)

Last Update: [September 15, 2003](#)

Copyright © 2003 Spirol International Corporation. All rights reserved.

Application Case
Studies

▶ Automation
Application Case
Studies